CCS Technical Documentation
RH-48 Series Transceivers

General Information

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Handportables

The RH-48 (Nokia 3105) is an 800 MHz CDMA DCT4 transceiver. It supports the CDMA IS-95 and IS-2000.

Features include a 4,096 color display (128 x 128), an internal antenna, internal vibra, and MIDI polyphonic ring tones.

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Module List

RH-48 (Nokia 3105)	
A-cover	9491706
Keymat	9791124
Screws	6290119
LCD assembly	9498012
PWB module	0202159
B-Cover assembly	9491626
Domesheet frame assembly	9481160
Battery (BL-5C)	0670400
C-Cover, graphite	9453387

Technical Specifications

General Specifications of Transceiver RH-48

Parameter	Unit
Cellular system	CDMA, IS2000
RX frequency band	869.04 ... 893.91 MHz
TX frequency band	824.04 ... 848.97 MHz
Output power	23 dBm
Duplex spacing	45 MHz
Number of RF channels	832
Channel spacing	30 kHz
Power levels	-50 to +25.3 dBm CDMA
Method of frequency synthesis	Three digital phase locked loops: VHF RX 367.2 MHz VHF TX 457.2 MHz UHF 1052.61 - 1077.57 MHz
Frequency control	19.2 MHz VCTCXO: AFC used
Receiver type	Linear, one IF for CDMA
Modulator type	OQPSK

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Supported Accessories

Type	Name	Code
ACP-7 ACP-7C ACP-7E ACP-7U	AC travel charger	0675148 0675212 0675144 0675143
ACP-12 ACP-12A ACP-12E ACP-12U	Rapid performance charge (for India and Vietnam)	0675300 0675297 0675294 0675303
BHF-1	Headrest handsfree	0273278
BL-5C	Standard 850 mAh li-ion battery (China label)	0670398 (0670397)
CK-8	Car installation kit (US)	0080932
CARK126	Car kit (for APAC)	0082105
DCV-14	Desk stand with 1-button sync	0082105
DKU-5	USB data cable	0080835
HDA-10	TTY adapter (US)	0274156
HDB-4	Boom headset	0273504
HS-1C	Camera headset (US)	0086080
HS-2R	FM stereo headset (US)	0274047
HS-5	Standard earbud headset	0274086
HS-10	Retractable headset	0274162
LCH-12	Mobile charger	0675328
LPS-4	Loopset	0273270
MBC-15S	Mobile holder	0273724
PT-3	Fun camera (US)	0080829

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Parameter	Mode	Value and unit
Talk time	IS-95	up to 4.0 hours
Talk time	IS-2000	up to 3.5 hours
Standby time (Slot cycle 2)	IS-95	up to 15 days
Standby time (Slot cycle 2)	IS-2000	up to 20 days
Dimensions: length width thickness		75 cc 102 mm 43 mm 16-22 mm
Weight		86 g

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